



VOLUME IV NO. 1

Oct. 18, 1961

"DON'T WAIT TILL SPRING, DO IT NOW"

I am pleased to have been asked to contribute these few words to your first issue this year.

Now that the term has been under way for some time it is well to take stock of our position. Engineers are being called upon to take part in increasingly complex design and evaluation situations requiring an increasingly better background in mathematics and science. To a greater degree perhaps than ever before the engineer is assuming a role in the management of industry and government. This brings with it a distinct responsibility toward ones' fellows, beyond purely technical consideration.

There was a time; some think that it has not yet passed; when the truly "educated" man concerned himself solely with the area of study which commonly called "the humanities". To consider "things" rather than ideas was somehow degrading and not worthy of the educated. It occurs to me that the modern educated man may well be the modern engineer for, to fulfill the role in which he is increasingly being cast, requires not merely scientific and technical knowledge but a considerable knowledge of the society in which he lives. The engineer must surely have an interest in art, for without this, his designs will be aesthetic failures. He must surely have read widely, or he will be unaware of his link with the past, and the hopes which he, as a member of the human race, must have for the future. The engineer must surely provide the link between the ivory-towered man of ideas, the scientist, and the ultimate consumers of his products, all mankind.

With so much to learn, every hour not spent in somehow advancing our knowledge and understanding both professionally and socially is an hour lost for all time. You have much work ahead, "don't wait till spring, do it now".

Professor J. Bordan.

ENGINEERING SOC

MESSAGE FROM THE PRESIDENT



As President of the Engineering Association I would like to take this opportunity to welcome you back to another year of study, whether it is your first, second, or third year at S.G.W.U. For many of you, it will be your first taste of Engineering - I hope that it will be sweet and not bitter; and for a few others it means their final year at Sir George - the final stepping-stone in Phase I of their Engineering life.

To all the newcomers including the Pre-Engineers I would like to bring to your attention the existence of the Engineering Association of Sir George Williams University. It is our purpose to create a fellowship among all Engineers by organizing a program that will both aid you in your academic endeavours and provide you with a means of extracurricular activity as has been outlined in our program for the year. There is but one requirement: ACTIVE PARTICIPATION on our behalf of ALL Engineers. In order to derive full benefits from your stay at S.G.W.U. a happy balance between study and relaxation should be attained. I hope that our program will aid you in achieving this balance.

In closing, I can only wish you all every ounce of success in your academic work and that your years at Sir George will be productive, pleasurable and memorable.

Fred Masters,
President,
Engineering Association.

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A MOUNTAIN MAW'S LETTER TO HER SON

Dear Son,

Yor paw has a good job now the first he's had/in 48 yars. We are a great deal better off than we ever were. Yore paw gets \$14.75 every Thursday so we thot we could do a little fixing up. We went to Monkey Wards fer one of them new fangled things they call bathrooms, you hear tell of them in some houses. It is put in shape by a man called a plumar. On one side of the room is a big long thing like the pigs eat out of, but you get into it and wash all over. On the other side is a little white thing called a sink for light washing, as yore face and hands. But over in the corner, now I tell you we really got something thar, this little thing you put one foot in, wash it clean, then you pull a chain and get fresh water to wash the other one. Two lids came with the darn thing, but we couldn't find no use for them in the bathroom, so I use one fer a breadboard, but the other has a hole in it, so we took it and framed Grandpaw's picture with it. They are real nice folks to deal with, they even sent us a big roll o' writin' paper free,. Take good keer o' yoreself.

MAW

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EDITORIAL

Statement of Policy

This year, the staff of the Engineering society's FLUSH has made quite a lot of changes in both the presentation of the paper and the quality of material to be printed in it. The first few years of the society's journal was nothing more than a sheet of printed jokes which appeared two or three times a year. As you are leafing through this first issue you will certainly notice a great improvement.

This year we plan on printing the FLUSH every two weeks as it really should be. Since this paper is for the engineers, we, the staff of the FLUSH, count greatly on YOUR contributions in every way possible whether it be in time, a technical article, a letter to the editor or just a sick joke that would give your fellow engineers a good laugh.

Every engineer should therefore, make it a point to read the paper not only because it will be written by fellow engineers but because it will also contain all the information about forthcoming activities, such as dances, sports events, movie schedule, E.I.C. news and technical articles of interest to everyone. There will also be the regular "Down the Drain" column which will ruin you and your friends' social life. The staff would appreciate all the help possible from the Engineering Society's students. This means YOU.

Editor's Note: If you have found this issue interesting, please tell us so, but if it displeased you, by all means let us know.

Gerry Descoteaux,
Managing Editor.

KEEPING THE FLOW CONSTANT:

He grabbed me round my slender neck,
I could not call or scream.
He dragged me to his dingy room
Where we could not be seen.
He tore away my flimsy wrap
And gazed upon my form.
And I was cold and damp and scared
And he was flushed and warm.
His feverish lips he pressed to mine
And drank in every drop,
He drained me of my very self,
I could not make him stop.
He made me what I am to-day,
That's why you find me here,
A broken bottle thrown away
That once was full of beer.

WHO'S WHAT?

An Engineer is a man who
Knows a great deal about very little
And who goes along learning more
And more about
Less and Less until finally he
Knows practically everything
About nothing.

A Salesman, on the other hand
Is a
Man who knows very little about
Many things
And keeps learning less and less
About
More and more, until he knows
Practically nothing about every-
thing.

A Purchasing Agent starts out
Knowing
Everything about everything, but
Ends up knowing nothing about
Anything, due to
His association with
Engineers and Salesmen.



SIX MUNCE UGO I, CUTNT EVUN SPEL
INJUNEER - AN NOW I ARE ONE.....

PROGRAM '61-'62

It is the policy of the Engineering Association to provide an active but not extensively time consuming program in order to increase the role of the Engineer in the life of the University and to provide him with an insight into the place of the Engineer in Society.

The program is as follows:

(A) TOURS It is the intention to organize two tours this coming year: one before the mid-term and one following. Suggested sites are Canada Cement Co., Dominion Steel and Coal, Aluminum Co. of Canada and the Power-House at Cornwall.

(B) SPEAKERS Through our association with the E.I.C., it is planned that four speakers will give informal talks to the Engineering students on the four main branches of Engineering in industry.

(C) SPORTS It is planned that the Engineering Faculty enter teams in the volleyball and basketball tournaments; that a table-tennis tournament among the Engineers be organized; that an Engineering bowling, broom-ball and possibly curling team be organized to challenge Engineering Faculties of various Universities as well as the various Faculties of S.G.W.U.; that an Engineering Sports Display be held which would involve the play-offs of the table-tennis tournament, a volley-ball and/or basketball game against another University, and possibly a gymnastic display by Engineering students of S.G.W.U. and other Universities.

(D) DANCES Two dances are planned this year; one following the mid-term examinations and the other following the finals.

(Extract from report submitted to the S.U.S.)

ENGINEERING INSTITUTE OF CANADA

As reported by J.M.N. Martin, Senior E.I.C. Representative, plans have been laid by last year's executive, in conjunction with the E.I.C., to have a Student Chapter in Sir George Williams University. This club will come up for ratification this Fall but it is felt by the executive that their future plans should include this chapter.

Our association with the E.I.C. will enable us to arrange for speakers to visit the University and will aid us in organizing tours. The highlight of each year is the "Students' Night" held at the EIC Headquarters in February or March. On this night, Engineering students from six Universities will compete for prizes by presenting a prepared speech based upon a suitable Engineering topic.

Further details will be available for the next issue pending the results of a meeting on the 23rd.

EDITOR'S NOTE: (Extract from report submitted to the S.U.S.)

Further details and reminders concerning all these different activities will be given in future issues as they approach.

HAVE YOU HEARD ABOUT THE LITTLE MORON WHO.....

1. Went to a football game because he thought a quarter back was a refund.
2. Thought 'No Kidding' was or meant birth control.
3. Put his old man in the ice box so he could have 'Pop on ice'.
4. Walked the sweater girl home, so he could pull the wool over her eyes.
5. Slept with her Navy Husband's picture for nine months then had Paper Dolls.

COMING MOVIES

On Oct. 18th "RIPPLE ROCK" (40 min.) Room: 422

On Oct. 25th "HEAT TREATMENT OF STEEL" (47 min.) Room: 422

Elements of Hardening -

Shows how steel is quench-hardened; how structure and hardness of steels with different carbon content change at progressive quench-hardening stages; how the lower and the upper critical temperatures of steel are determined; and how an iron carbon diagram is constructed and what it shows.

Elements of Tempering, Normalizing, and Annealing -

Shows how steel is tempered; how the structure toughness, and hardness of a plain carbon steel changes at progressive tempering stages; how steel is normalized by furnace-heating; and subsequent cooling in still air; how normalizing breaks.

Elements of Surface Hardening -

Shows how steel is pack carburized; how steel is gas carburized; how a thin, hard case is obtained by cyaniding; how nitriding is used to obtain a very hard case; how steel is flame hardened, how steel is induction hardened.

On Nov. 1st "FLAME CONDITIONING"
"FLAME HARDENING" (37 min.)

DOWN THE DRAIN:

___ Congratulations to Barbara Levine our Engineering Queen. The fellows are dying to get their hands on you....Oops, I mean to meet you.

___ Have you seen Shotgun Slade? Better watch out for Dave Hamilton. He's been wearing his slide-rule low lately.

___ Derek Bright has been seen at the "Stanley" drinking his lunch this year. Back to last year's bad habits, eh Derek?

___ Paul Ratki submitted as his summer essay, "The Chemical Behaviour of Married Women". His research was done at the "Scan". Be careful you dirty old man.

___ A few ardent golfers among the 2nd year are signing a petition to have Surveying School changed to a new sight. Where? Why a golf course of course!

___ Bert, the fellows want to know why your complexion changes color after you drink from your thermos. Are you sure it's coffee?

___ Some fellows enjoy travelling a lot, especially when it's to see their girls. Isn't that right, Ian?

___ The rumor is that the 2nd year fellows are thinking of bringing a stick of dynamite to liven up certain lectures. Is that true?

___ Prof. Senez is very contented with the sirens he hears on the streets. It saves him the price of opera tickets.

___ Steve Coffin's looking for a second hand sports car. Let's be generous fellows and buy him a new one. They're only 59¢ in Woolworth's.

___ Nick is still smoking O.P.'s. Must be a good brand.

___ Too bad so many engineers never pulled through the supplementals. Oh well, statistics show that there are too many engineers anyway.

___ Some 2nd year fellows had to stay in A-34' till 7 A.M. Boy it must have been a long hard project!

___ Attention new engineers! Uncle Jack has been seen sporting his traditional bowtie. Do you know why??? Well; you'll find out at exam time.

___ George! Do you think you'll have grown a half decent beard by graduation (if you graduate??).

___ Ex-engineer Frank Rolling has applied to the Q.L.B. for a liquor permit. He will now be able to drink all his meals in his own "draughting room".

NOTICE: All third year engineers who have hopes of graduating (?) this year better have their pictures taken for the mug book. Deadline Nov. 15th.

ATTENTION:
Can you clog "the drain"? If you think so, go ahead.